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Date  
31.08.09

Reference N 2284EU-ro	Application No./Patent No. 04771232.8 - 2315 / 1724435 PCT/JP2004011205
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#### Communication

The European Patent Office herewith transmits as an enclosure the supplementary European search report under Article 153(7) EPC for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

- ☒ 1 additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

#### Refund of the search fee

If applicable under Article 9 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.



# SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application Number  
EP 04 77 1232

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A ✓	JP 2003 206698 A (NISSHIN STEEL CO LTD; NISSHIN KOKAN KK; TANASE HIROYUKI) 25 July 2003 (2003-07-25) * column 3, paragraph 8 * * column 6, paragraph 21 *	1, 4	INV. E21D20/00 C23C2/06 E21D21/00
A ✓	GB 2 072 784 A (THOM R W) 7 October 1981 (1981-10-07) * page 2, line 98 - line 102 *	1, 4	
			TECHNICAL FIELDS SEARCHED (IPC)
			E21D
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
Place of search Munich		Date of completion of the search 21 August 2009	Examiner Ott, Stéphane
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons &amp; : member of the same patent family, corresponding document</p>			

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 04 77 1232

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
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21-08-2009

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 2003206698 A	25-07-2003	JP 4109073 B2	25-06-2008
GB 2072784 A	07-10-1981	DE 3111673 A1	19-05-1982
		FR 2479322 A1	02-10-1981